SWEEPSTER

PALADIN LIGHT CONSTRUCTION GROUP

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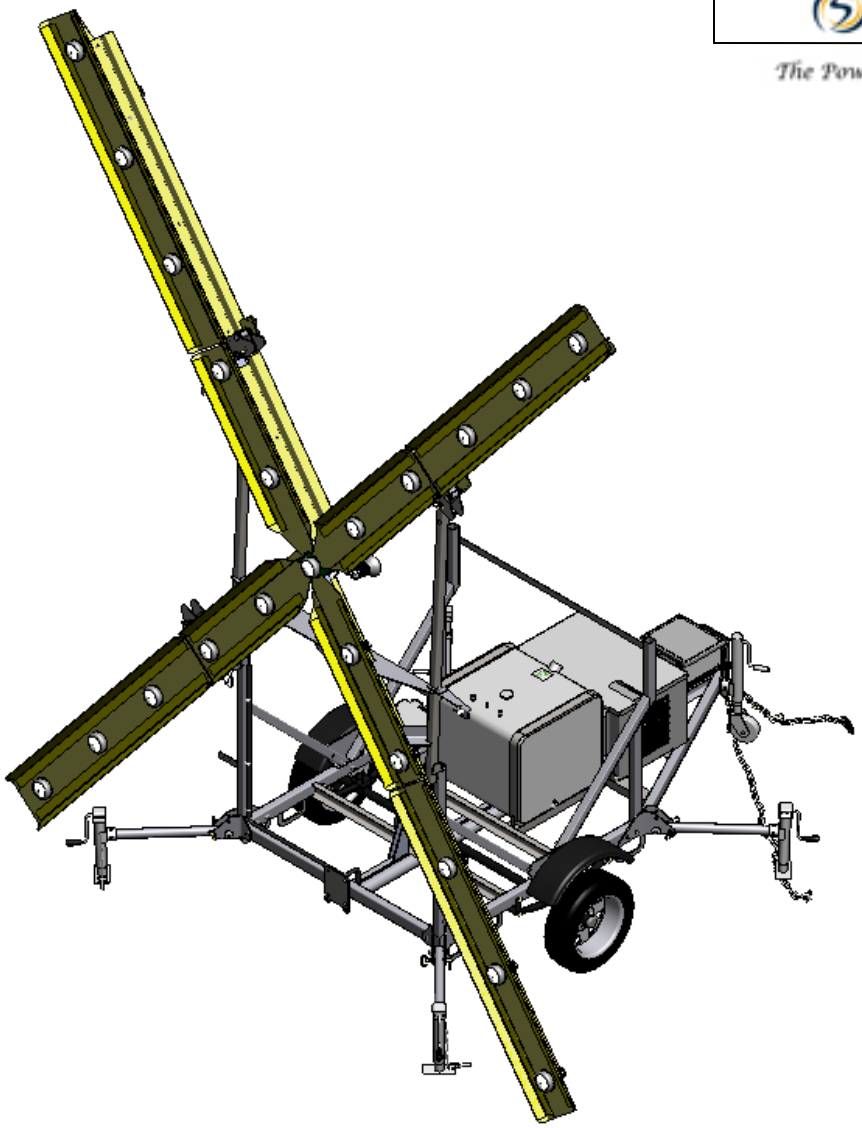
SWEEPSTER

The Power of Combined Excellence

LX

Runway Closure Marker



Sweepster Serial Number_____

Manual Number: 51-2720
Release Date: May 2011
Serial Number 0912001 & Up

800-456-7100 www.paladinlcg.com Sweepster 2800 N. Zeeb Rd., Dexter, MI. 48130 United States of America

Notes

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INTRODUCTION

Purpose of Runway Closure Marker

This temporary runway closure marker is designed solely for the use on runways for construction, cleanup, maintenance and similar operations. Use in any other way is considered contrary to the intended use. Compliance with and strict adherence to operation, service and repair conditions, as specified by the manufacturer, are also essential elements of the intended use.

Contacting Sweepster

If you have any questions about information in this manual or need to order parts, please call, write, fax or e-mail SWEEPSTER.

Sweepster
2800 North Zeeb Road
Dexter, Michigan 48130
Phone: (734)-996-9116 - (800)-456-7100
Fax: (734) 996-9014
e-mail: sweepster@paladinbrands.com

For help with installation, operation or maintenance procedures, contact our Technical Service Department. Direct product questions and parts orders to our Sales Department.

When ordering parts or accessories, be prepared to give the following information:

- Runway closure marker model, serial number and date of purchase
- Part number, description and quantity

Use only manufacturer replacement parts. Substitute parts may not meet the required standards.

Terms Used in Manual

Right-hand, left-hand, front and *rear* are determined from the operator's perspective (using the control box switches), in the normal operating position.

Warranty

To validate the warranty for this unit, fill out the warranty card or warranty pages located in the back of this manual. Then send this information to SWEEPSTER.

SAFETY STATEMENTS

DANGER!

THIS STATEMENT IS USED WHERE SERIOUS INJURY OR DEATH WILL RESULT IF THE INSTRUCTIONS ARE NOT FOLLOWED PROPERLY.

WARNING!

THIS STATEMENT IS USED WHERE SERIOUS INJURY OR DEATH COULD RESULT IF THE INSTRUCTIONS ARE NOT FOLLOWED PROPERLY.

CAUTION!

THIS STATEMENT IS USED WHERE MINOR INJURY COULD RESULT IF THE INSTRUCTIONS ARE NOT FOLLOWED PROPERLY.

NOTICE!

THIS STATEMENT IS USED WHERE EQUIPMENT OR PROPERTY DAMAGE COULD RESULT IF THE INSTRUCTIONS ARE NOT FOLLOWED PROPERLY.

THIS SYMBOL BY ITSELF OR USED WITH A SAFETY SIGNAL WORD THROUGHOUT THIS MANUAL IS USED TO CALL YOUR ATTENTION TO INSTRUCTIONS INVOLVING YOUR PERSONAL SAFETY OR THE SAFETY OF OTHERS. FAILURE TO FOLLOW THESE INSTRUCTIONS CAN RESULT IN INJURY OR DEATH.

GENERAL SAFETY PRECAUTIONS

WARNING!

READ MANUAL PRIOR TO INSTALL

Improper installation, operation, or maintenance of this equipment could result in serious injury or death. Operators and maintenance personnel should read this manual as well as all manuals related to this equipment and the prime mover thoroughly before beginning installation, operation, or maintenance. **FOLLOW ALL SAFETY INSTRUCTIONS IN THIS MANUAL AND THE PRIME MOVERS MANUAL.**

WARNING!

READ AND UNDERSTAND ALL SAFETY STATEMENTS

Read all safety decals and safety statements in all manuals prior to operating or working on this equipment. Know and obey all OSHA regulations, local laws and other professional guidelines for your operation. Know and follow good work practices when assembling, maintaining, repairing, mounting, removing or operating this equipment.

KNOW YOUR EQUIPMENT

Know your equipment's capabilities, dimensions and operations before operating. Visually inspect your equipment before you start, and never operate equipment that is not in proper working order with all safety devices intact. Check all hardware to assure it is tight. Make certain that all locking pins, latches, and connection devices are properly installed and secured. Remove and replace any damaged, fatigued or excessively worn parts. Make certain all safety decals are in place and are legible. Keep decals clean, and replace them if they become worn and hard to read.

GENERAL SAFETY PRECAUTIONS

WARNING!

PROTECT AGAINST FLYING DEBRIS

Always wear proper safety glasses, goggles or a face shield when driving pins in or out or when operation causes dust, flying debris, or any other hazardous material.

WARNING!

LOWER OR SUPPORT RAISED EQUIPMENT

Do not work under raised booms without supporting them. Do not use support material made of concrete blocks, logs, buckets, barrels or any other material that could suddenly collapse or shift positions. Make sure support material is solid, not decayed, warped, twisted, or tapered. Lower booms to ground level or onto blocks. Lower booms and attachments to the ground before leaving the cab or operator's station.

WARNING!

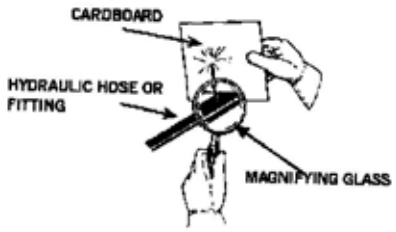
USE CARE WITH HYDRAULIC FLUID PRESSURE

Hydraulic fluid under pressure can penetrate the skin and cause serious injury or death. Hydraulic leaks under pressure may not be visible. Before connecting or disconnecting hydraulic hoses, read your prime movers operator's manual for detailed instructions on connecting and disconnecting hydraulic hoses or fittings.

- Keep unprotected body parts, such as face, eyes, and arms as far as possible from a suspected leak. Flesh injected with hydraulic fluid may develop gangrene or other permanent disabilities.
- If injured by injected fluid, see a doctor at once. If your doctor is not familiar with this type of injury, ask him to research immediately to determine proper treatment.

GENERAL SAFETY PRECAUTIONS CONTINUED

- Wear safety glasses, protective clothing, and use a sound piece of cardboard or wood when searching for hydraulic leaks. **DO NOT USE YOUR HANDS! SEE ILLUSTRATION.**



WARNING! **DO NOT MODIFY MACHINE OR ATTACHMENTS**

Modifications may weaken the integrity of the attachment and may impair the function, safety, life and performance of the attachment. When making repairs, use only the manufacturer's genuine parts, following authorized instructions. Other parts may be substandard in fit and quality. Never modify any ROPS (Roll Over Protection System) equipment or device. Any modifications must be authorized in writing by the manufacturer.

WARNING! **SAFELY MAINTAIN AND REPAIR EQUIPMENT**

- Do not wear loose clothing, or any accessories that can catch in moving parts. If you have long hair, cover or secure it so that it does not become entangled in the equipment.
- Work on a level surface in a well-lit area.
- Use properly grounded electrical outlets and tools.
- Use the correct tool for the job at hand. Make sure they are in good condition for the task required.

GENERAL SAFETY PRECAUTIONS CONTINUED

- Wear the protective clothing equipment specified by the tool manufacturer.

WARNING! **SAFELY OPERATE EQUIPMENT**

Do not operate equipment until you are completely trained by a qualified operator in how to use the controls, know its capabilities, dimensions, and all safety requirements. See your prime movers manual for these instructions.

- Keep all step plates, grab bars, pedals, and controls free of dirt, grease, debris, and oil.
- Never allow anyone to be around the equipment when it is operating.
- Do not allow riders on the attachment or the prime mover.
- Do not operate the equipment from anywhere other than the correct operators position.
- Do not alter or remove any safety feature from the prime mover or this attachment.
- Know your work site safety rules as well as traffic rules and flow. When in doubt on any safety issue, contact your supervisor or safety coordinator for an explanation.

GENERAL SAFETY PRECAUTIONS CONTINUED

WARNING! **REMOVE PAINT BEFORE WELDING OR HEATING.**

Hazardous fumes/dust can be generated when paint is heated by welding, soldering or using a torch. Do all work outside or in a well ventilated area and dispose of paint and solvent properly. Remove paint before welding or heating.

When sanding or grinding paint, avoid breathing the dust. Wear an approved respirator. If you use solvent or paint stripper, remove stripper with soap and water before welding. Remove solvent or paint stripper containers and other flammable material from area. Allow fumes to disperse at least 15 minutes before welding or heating.

WARNING! **END OF LIFE DISPOSAL.**

At the completion of the useful life of the unit, drain all fluids and dismantle by separating the different materials (rubber, steel, plastic, etc.). Follow all federal, state and local regulations for recycling and disposal of the fluid and components.

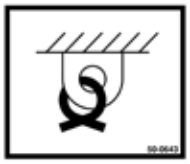
SAFETY SIGNS & LABELS

1. 50-0184

2. 50-0634

12. 50-0827

13. 50-0845



3. 50-0643

7. 50-0771

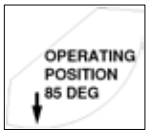
14. 50-0846

15. 50-0847

16. 50-0848

4. 50-0723

6. 50-0737

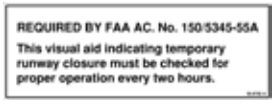


17. 50-0863

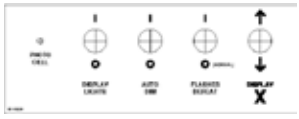
5. 50-0733

8. 50-0775

9. 50-0777


REQUIRED BY FAA AC. No. 150/5345-55A
This visual aid indicating temporary runway closure must be checked for proper operation every two hours.

10. 50-0782



11. 50-0826

Item	Part	Qty	Description
1.	50-0184	3	Label, Logo, Sweepster, White
2.	50-0634	1	Label, Serial Number
3.	50-0643	4	Label, Tie Down Point
4.	50-0723	1	Label, Warning, Misuse Hazard
5.	50-0733	1	Label, Warning, No Riders
6.	50-0737	4	Label, Warning, Pinch Point
7.	50-0771	1	Label, Diesel Fuel Only
8.	50-0775	8	Label, Warning, Crush Hazard
9.	50-0777	1	Label, Caution, Hot Surface
10.	50-0782	1	Label, FAA AC#150/5345-55A
11.	50-0826	1	Label, Enclosure Control
12.	50-0827	1	Label, Warning, Transport Hazard
13.	50-0845	10	Label, Prohibition, No Step
14.	50-0846	1	Label, Prohibition, No Standing
15.	50-0847	1	Label, Danger, Electrical Hazard
16.	50-0848	1	Label, Warning, Missing Guard
17.	50-0863	1	Label, Operating Position

SAFETY SIGNS & LABELS

There are several specific signs on this sweeper. The exact location of the hazards and description of the hazards are reviewed.

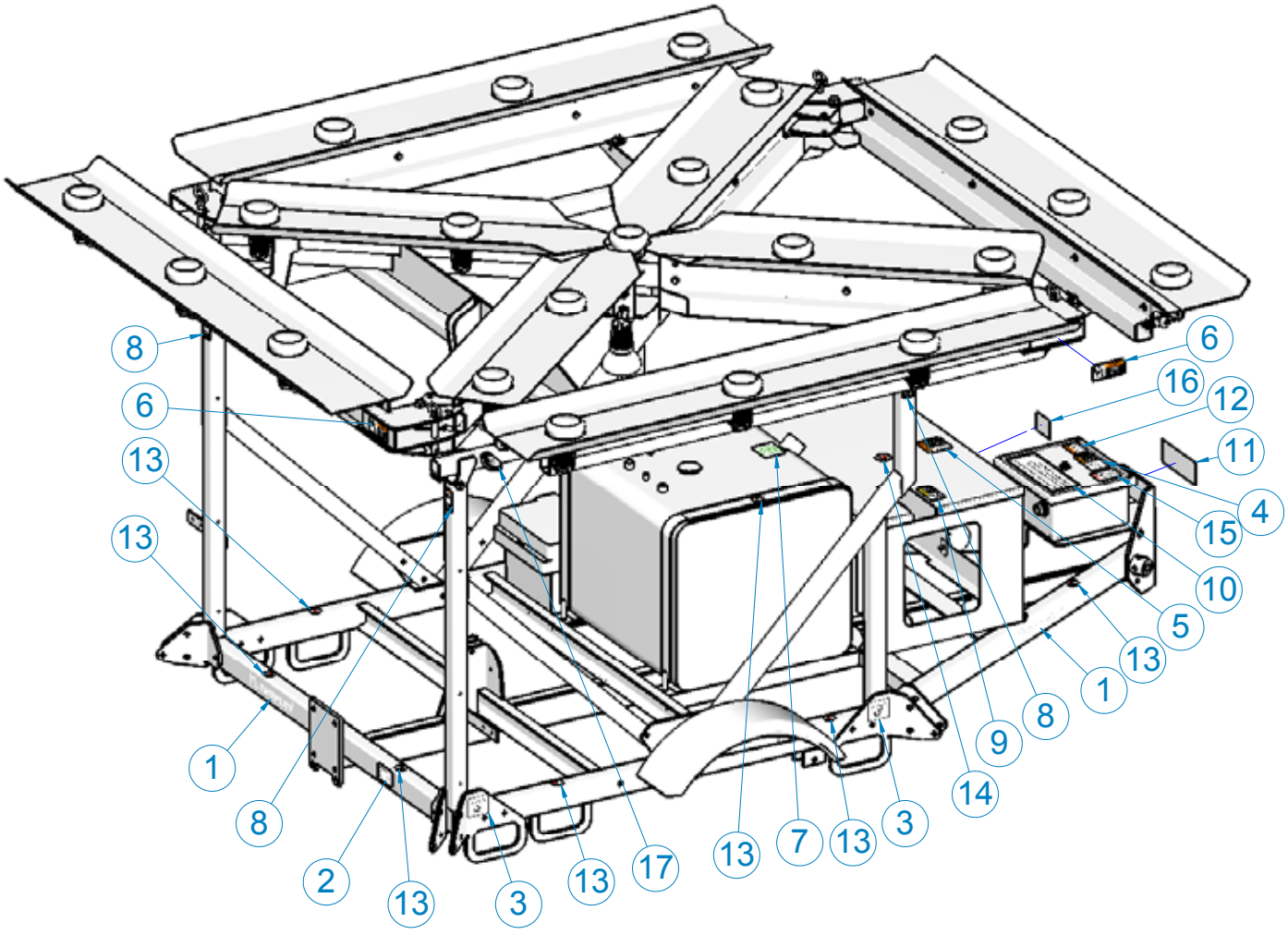
Placement or replacement of Safety Signs

1. Clean the area of application with nonflammable solvent, and then wash the same area with soap and water.
2. Allow the surface to fully dry.
3. Remove the backing from the safety sign, exposing the adhesive surface.
4. Apply the safety sign to the position shown in the diagram above and smooth out any bubbles.

Instructions

1. Keep all safety signs clean and legible.
2. Replace all missing, illegible, or damaged safety signs.
3. Replacement parts, for parts with safety signs attached, must also have safety signs attached.
4. Safety signs are available, free of charge, from your dealer or from SWEEPSTER.

SAFETY SIGNS & LABELS



SETUP

1. Tow the marker to the operating location.

2. Using the jack on the tongue, lower it to the ground to unhitch the marker from the tow vehicle.

3. Remove the tail light connector and safety chains. Move the tow vehicle away from the marker.

4. Lower the jack extension tubes and pin in the horizontal position. (figure 1)

5. Rotate front jacks, replace pins in lock position and raise the marker enough to raise the jack on the tongue. Rotate tongue jack to storage position.

6. Rotate rear jacks, replace pins in lock position and level marker using all four jacks and bulls eye. (figure 4)

7. Remove storage hairpins on arms and rotate display arms partially out. Replace hairpins.

WARNING! **PINCH POINT HAZARD Keep hand safe distance away from hazard. Failure to heed this warning could result in serious injury or death.**

8. Remove hitch pins from storage position on display arms. (figure 2)

9. Rotate each arm into operating position. Place hitch pin into lock position and secure hitch pin with a hairpin for each arm. (figure 3)

10. Clear area around marker of all debris and bystanders.

11. Start engine. (Refer to the engines operator's manual for procedures.)

12. Raise the display using the "Raise/Lower" switch. (figure 4)

13. Verify display operating position. (figure 6)

14. Activate display lights. (figure 4) If lights do not flash, turn display switch off and on to reset flasher.

15. Activate "Auto Dimming" if required. (figure 4)

OPERATION

Follow all safety precautions outlined in this manual.

Understand the operator's manual before operating the marker. Failure to do so could result in death, personal injury and/or property damage.

Follow all government rules and guidelines for use of a runway closure marker.

WARNING! **TRANSPORT HAZARD Never have the marker in the raised position or with the arms in their extended position when transporting this product from site to site. The marker can tip over, causing property damage, serious injury, or death.**

WARNING! **DO NOT STAND ON OR ALLOW ANYONE TO RIDE ON THIS EQUIPMENT AT ANYTIME.**

Reduce speed when towing to avoid "bouncing" the marker over rough terrain. Personal injury or damage to the marker or property damage may result from loss of control.

Do not tow over 45 mph.

SERVICE & REPAIR

Repair or adjust the unit in a safe area, away from road traffic and other hazards.

DANGER! **ELECTRICAL HAZARD DISCONNECT POWER SUPPLY BEFORE SERVICING**

Before adjusting or servicing - stop the engine and remove the key from the ignition.

Never service the marker with display in the raised position.

TRANSPORT OR STORAGE

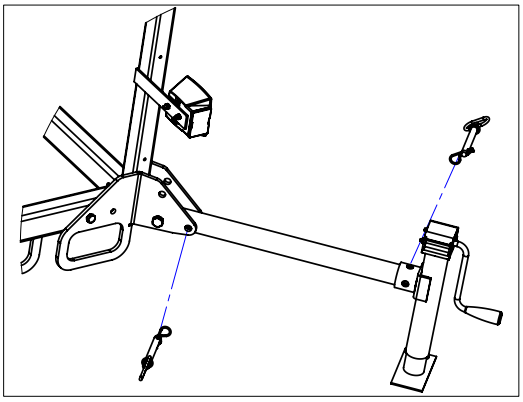


figure 1

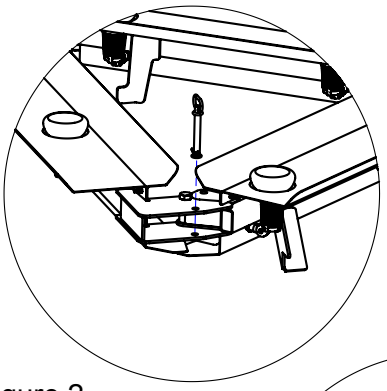


figure 2

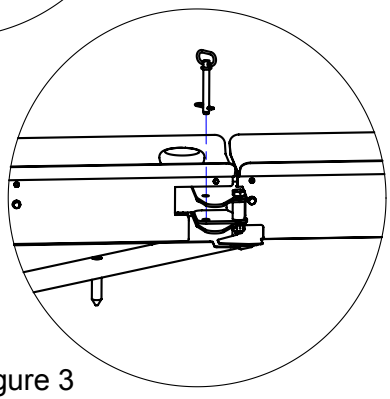


figure 3

1. Clear area of all debris and bystanders.
2. Turn off display. (figure 4)

WARNING! **CRUSH HAZARD Keep safe distance. Failure to heed this warning could result in serious injury or death.**

3. Lower the display.
4. Shut off the engine.
5. Remove hitch pins from arms and partially rotate towards storage position.
6. Replace hitch pins and secure with hairpins
7. Rotate arms into storage position and secure with hairpins.
8. Raise rear jacks and place in storage position. (figure 5)
9. Lower tongue jack.
10. Raise front jacks and place in storage position. (figure 5)
11. Hitch the marker to the tow vehicle. Attach the tail light connector and safety chains.
12. Raise the jack on the tongue. Rotate tongue jack to storage position and secure.

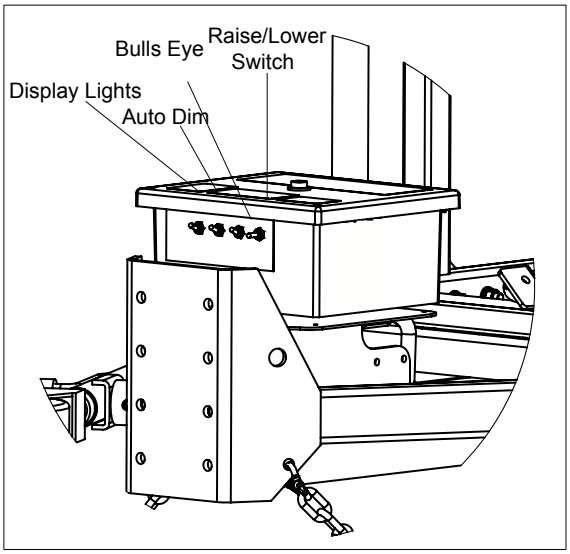


figure 4

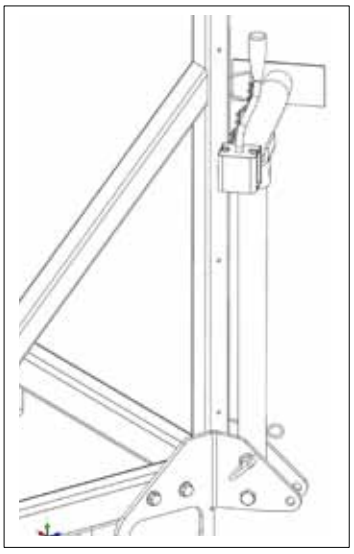


figure 5

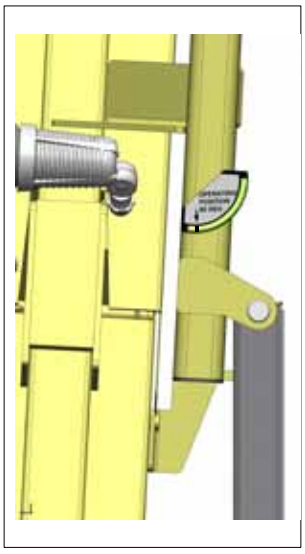
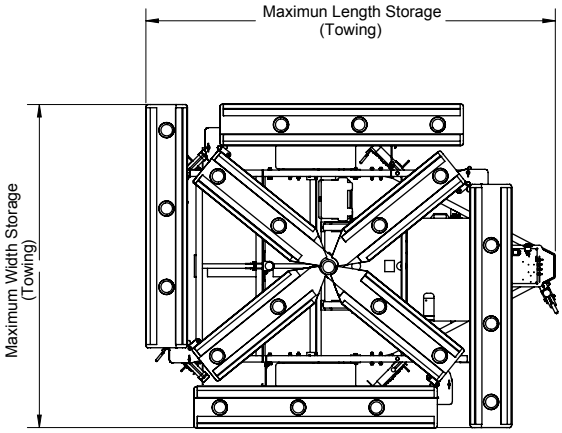
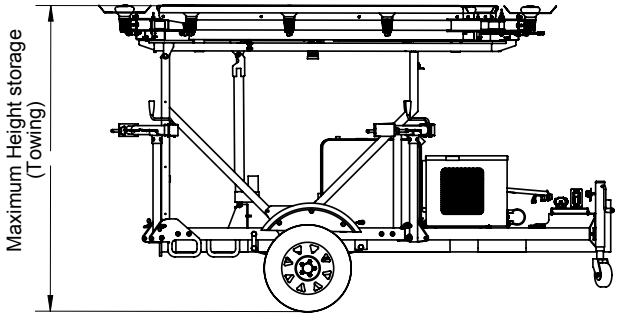


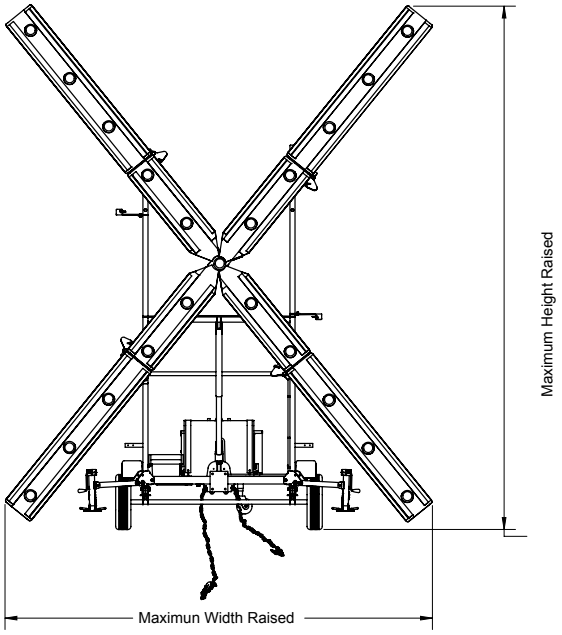
figure 6

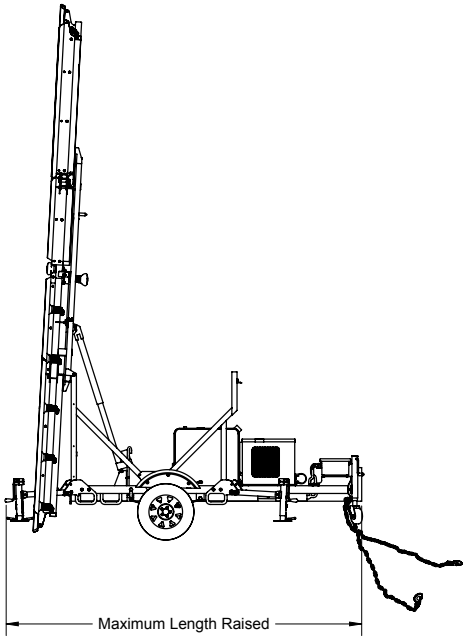
PRODUCT INFORMATION

Specifications and Model Views









Maximum Weight No Fuel	1854 lbs
Maximum Length Towing & Storage Position	127.9 inches
Maximum Width in Towing & Storage Position	101.0 inches
Maximum Height in Towing & Storage Position	76.5 inches
Maximum Width in Raised Operating Position	188.5 inches
Maximum Length in Raised Position	137.4 inches
Maximum Height in Raised Operating Position	206.7 inches
Maximum Tongue - Weight Empty Fuel Tank	234 lbs
Maximum Tongue Weight - Full Fuel Tank	318 lbs
Maximum Tongue Weight - Full Fuel Tank & Second Unit on Rear Hitch	245 lbs

MAINTENANCE

Maintenance Schedule

NOTICE! **Never perform any work on this unit unless you are authorized and qualified to do so. Always read the operator service manual's before any repair is made. After completing maintenance or repair, check for correct functioning of unit. If not functioning properly, always tag "DO NOT OPERATE" until all problems are corrected.**

Component	Frequency	Procedure
Generator Fan Belt	Every 100 Hours	Check Tension. Adjust to instructions in Maintenance Section
Hardware	Before Each Use	Inspect and Tighten
Wash Unit	After Each Use	Remove Dirt and Debris

For Kubota Diesel Engine maintenance see owners manual.

MAINTENANCE

NOTICE! **Never perform any work on this unit unless you are authorized and qualified to do so. Always read the operator service manual's before any repair is made. After completing maintenance or repair, check for correct functioning of unit. If not functioning properly, always tag "DO NOT OPERATE" until all problems are corrected.**

LIGHT BULB REPLACEMENT

1. Clear area of bystanders.
2. Lower display.
3. Turn off the generator. If applicable remove alternate power source.

DANGER! **ELECTRICAL HAZARD**
DISCONNECT POWER SUPPLY
BEFORE SERVICING

4. Replace defective light bulb with Par 38, 90 watt, 120 volt A.C. spot lamp bulb.

ADJUSTMENT OF GENERATOR BELT

1. Loosen generator bolts. (Do not remove)
2. Move generator to tension belt to position in figure 1 or use belt tension tester.
3. Retighten generator bolts.
4. Idler is not used to tension belt. Idler used to control belt in non load cycle.

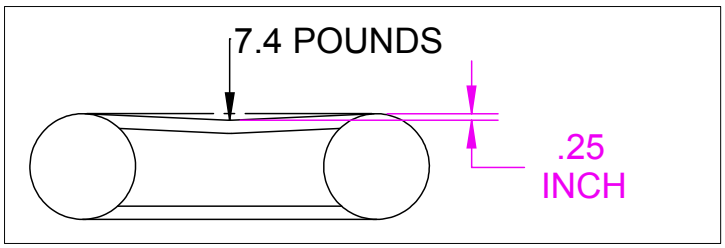


figure 1

MAINTENANCE RECORD

Service Genset according to manufacturers manual.

Date	Maintenance Procedure Performed	Performed by	Comments

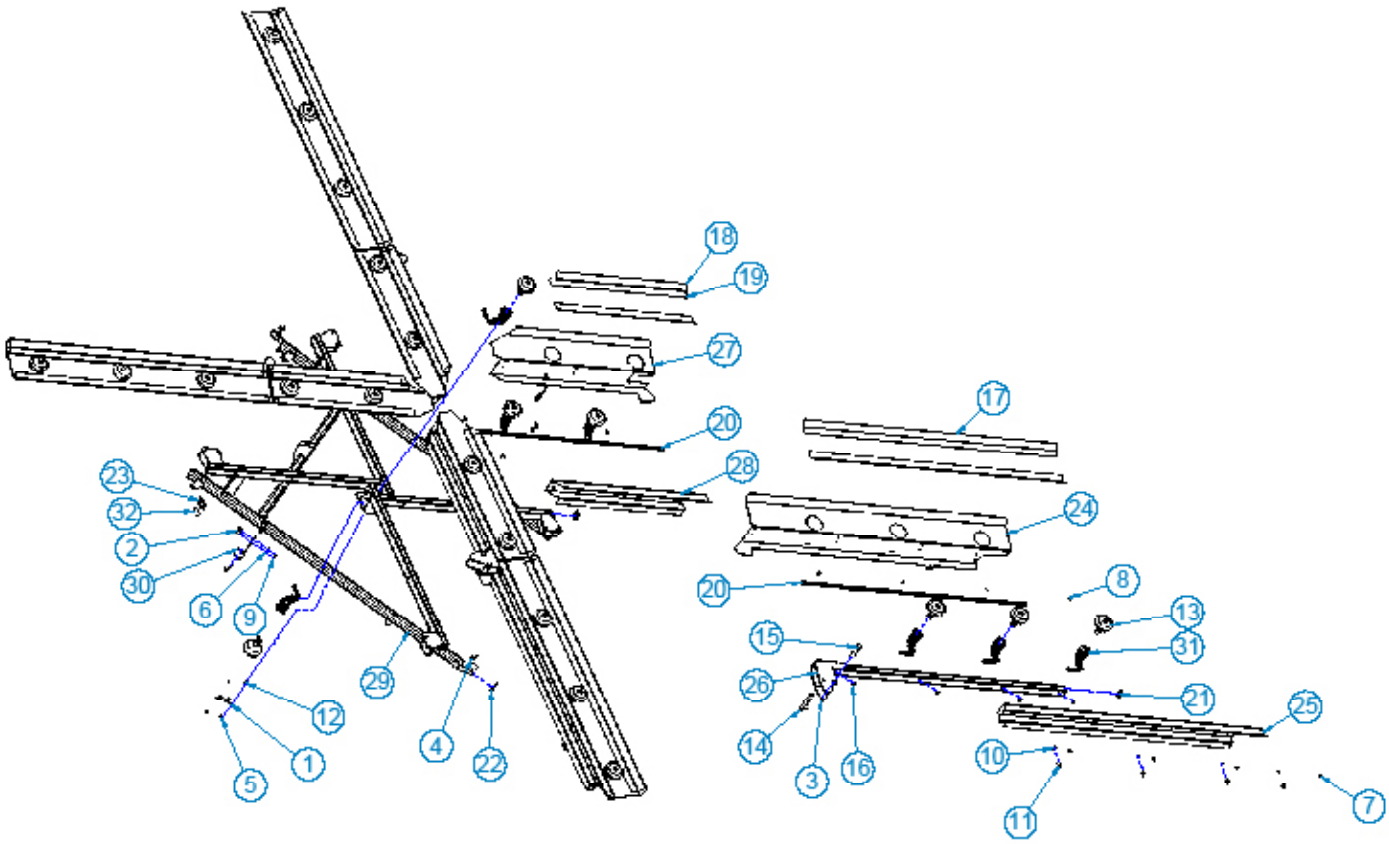
TROUBLESHOOTING

Problem	Possible Cause	Possible Solution
Actuator will not function	Low voltage in battery	Charge battery
		Run generator when raising display
		Replace battery
	Fuse failed in control box	Replace fuse (AGC30)
Display lights do not flash	Flasher defeat switch in ON position	Move switch to OFF (normal) position
	Safety relay not powered	Check for power (120vac). If powered and not flashing, replace relay. If no power (120vac) to relay, circuit board has failed. Replace control box.
Display lights do not illuminate	Generator not providing power	Check reset on generator end cover
		Adjust v-belt tension to 5 ft lbs
	Fuse failed in control box	Replace fuse (AGC15)
Individual lights on display do not illuminate	Failed light	Replace light
		Check Deutsch connector
		Replace lamp holder
		Replace wire harness
All lights on display arm do not illuminate	Failed connection	Replace wire harness
	Fuse failed in control box	Replace fuse (AGC15)

NOTES

MAIN FRAME TOP

Serial # 1021144 & Lower



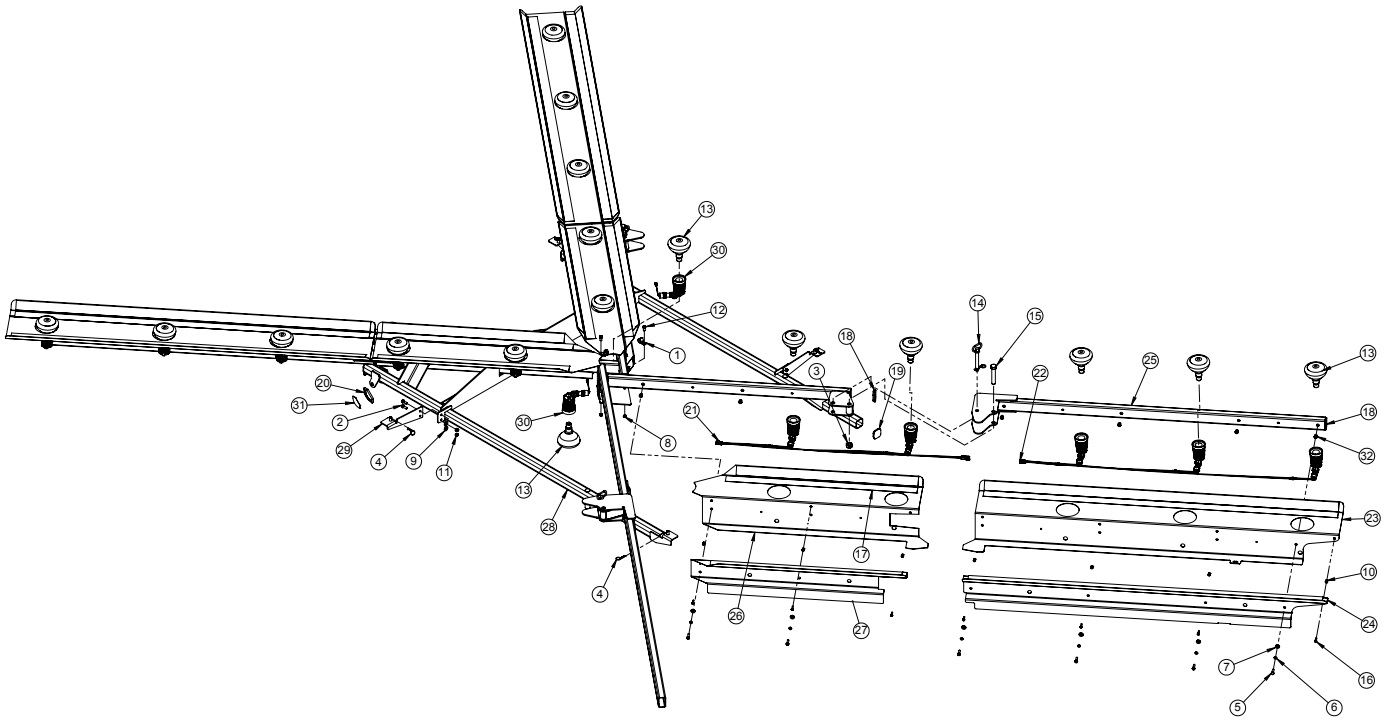
MAIN FRAME TOP

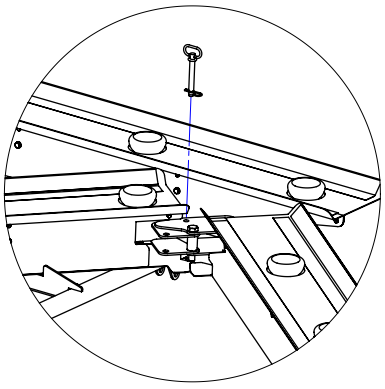
Serial # 1021144 & Lower

Item	Part	Qty	Description
1.	03-4329	2	Clamp, Hose, 3/4, Rubber Coated
2.	07-0018	4	Screw, HHC, Gr8, 3/8-16 x 1
3.	07-0148	4	Nut, Hex, Lock, 3/4-10, Gr8
4.	07-1747	4	Clip, Hairpin, 1/4
5.	07-3278	2	Nut, Hex, Gr8, 3/8-16
6.	07-3279	4	Washer, Flat, Gr8, 3/8
7.	07-3522	28	Screw, HFH, CL10.9, M6-1 x 20
8.	07-3617	28	Nut, Insert, M6 x 1, Hex
9.	07-3654	4	Nut, Hex, Gr8, 3/8-16
10.	07-3745	24	Washer, Flat, CL8.8, M10
11.	07-3748	24	Screw, HHC, CL10.9, M10-1.5 x 25mm
12.	07-4052	2	Screw, HHC, Gr8, 3/8-16 x 3/4
13.	07-4130	22	Lamp, 90, BR38, Spot, 120 Volt, Clear
14.	07-4183	4	Pin, Hitch, 5/8 x 4, with Clip
15.	07-4213	4	Screw, HHC, GR8 3/4-10 x 4
16.	07-6682	24	Nut, Insert, M10-1.5, 3.8-7.9
17.	07-7064	98.7ft	Tape, Reflective
18.	07-7064	25.3ft	Tape, Reflective
19.	07-7064	26.7ft	Tape, Reflective
20.	07-7473	8	Wire, Harness, Display
21.	07-7526	8	Plug, Plastic, 1 1/2 x 2 1/2, Rectangular
22.	07-7527	4	Plug, Plastic, 2, Square
23.	07-7567	1	Gauge, Level, 45-0-45, Stick-On
24.	13-16812	4	Plate, Mounting, Light, Reflector, Outside
25.	13-16813	4	Plate, Reflector, Outside
26.	13-16819	4	Weld, Pivot
27.	13-16821	4	Plate, Mounting, Light Reflector, Inside
28.	13-16822	4	Plate, Reflector, Inside
29.	13-16836	1	Weld, Frame
30.	13-16966	2	Weld, Lock, Arm, Closed
31.	28-3566	22	Assembly, Lamp, Holder, Plastic
32.	50-0863	1	Label, Operating Position, Level

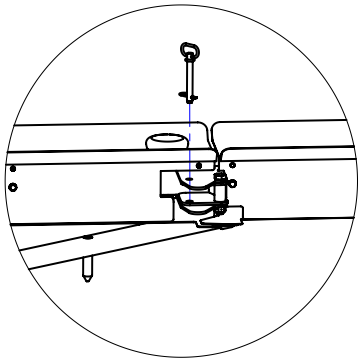
MAIN FRAME TOP

Serial # 1021145 to 1051999

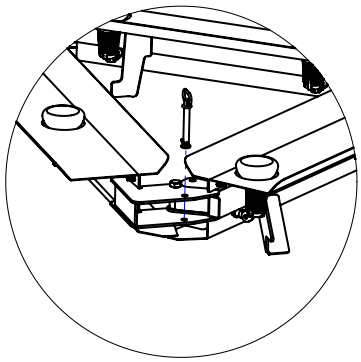




Detail A



Detail B



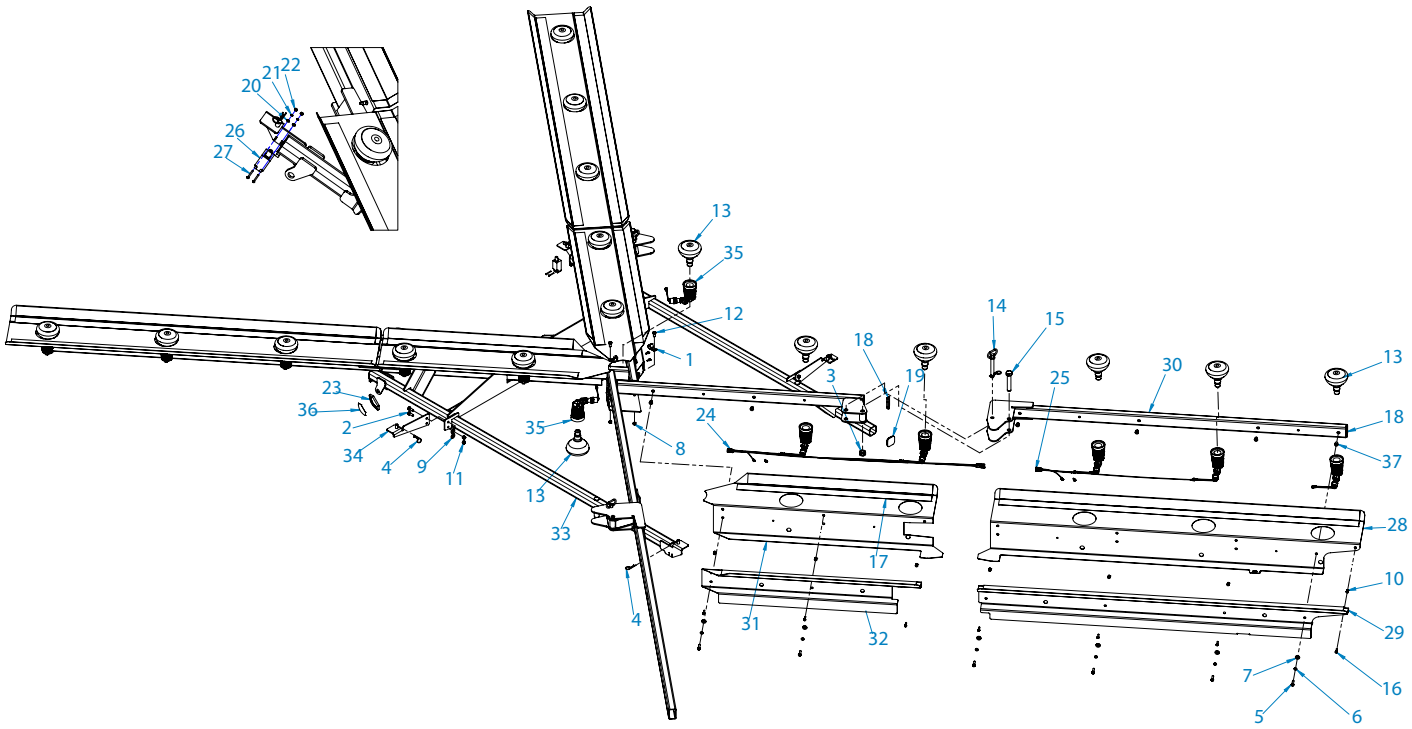
MAIN FRAME TOP

Serial # 1021145 to 1051999

Item	Part	Qty	Description
1.	03-4329	2	Clamp, Hose, 3/4, Rubber Coated
2.	07-0018	4	Screw, HHC, Gr8, 3/8-16 x 1
3.	07-0148	4	Nut, Hex, Lock, 3/4-10, Gr8
4.	07-1747	4	Clip, Hairpin, 1/4
5.	07-1973	24	Screw, HHC, Gr8, 5/16-18 x 1 1/4
6.	07-3273	24	Washer, Lock, Split, Medium, 5/16
7.	07-3275	24	Washer, Flat, Gr8, 5/16
8.	07-3278	2	Nut, Hex, Gr8, 3/8-16
9.	07-3279	4	Washer, Flat, Gr8, 3/8
10.	07-3617	28	Nut, Insert, M6 x 1, Hex
11.	07-3654	4	Nut, Hex, Gr8, 3/8-16
12.	07-4052	2	Screw, HHC, Gr8, 3/8-16 x 3/4
13.	07-4130	22	Lamp, 90, BR38, Spot, 120 Volt, Clear
14.	07-4183	4	Pin, Hitch, 5/8 x 4, with Clip
15.	07-4213	4	Screw, HHC, GR8 3/4-10 x 4
16.	07-6297	28	Screw, HHC, CL10.9, M6 x 1, 25mm
17.	07-7064	160 ft	Tape, Reflective
18.	07-7526	8	Plug, Plastic, 1 1/2 x 2 1/2, Rectangular
19.	07-7527	4	Plug, Plastic, 2, Square
20.	07-7567	1	Gauge, Level, 45-0-45, Stick-On
21.	07-7813	4	Wire Harness, Display, Inner
22.	07-7814	4	Wire Harness, Display, Outer
23.	13-16812	4	Plate, Mounting, Light, Reflector, Outside
24.	13-16813	4	Plate, Reflector, Outside
25.	13-16819	4	Weld, Pivot
26.	13-16821	4	Plate, Mounting, Light Reflector, Inside
27.	13-16822	4	Plate, Reflector, Inside
28.	13-16836	1	Weld, Frame
29.	13-16966	2	Weld, Lock, Arm, Closed
30.	28-3558	22	Assembly, Lamp, Holder
31.	50-0863	1	Label, Operating Position, Level
32.	RHW8642	24	Nut, Rivet, 5/16-18, .150-.312 Grip

MAIN FRAME TOP

Serial # 1052001 & Up



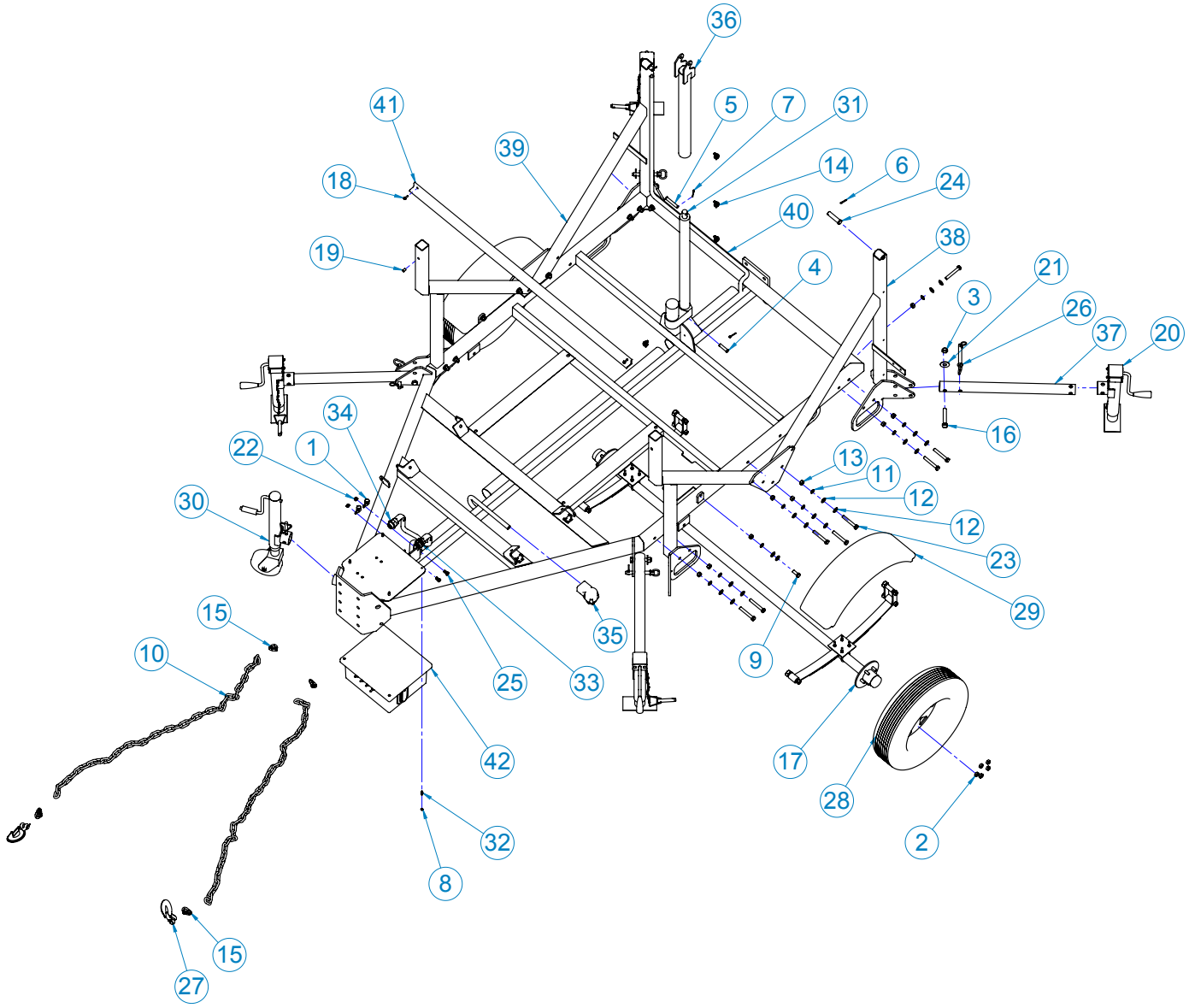
MAIN FRAME TOP

Serial # 1052001 & Up

Item	Part	Qty	Description
1.	03-4329	2	Clamp, Hose, 3/4, Rubber Coated
2.	07-0018	4	Screw, HHC, Gr8, 3/8-16 x 1
3.	07-0148	4	Nut, Hex, Lock, 3/4-10, Gr8
4.	07-1747	4	Clip, Hairpin, 1/4
5.	07-1973	24	Screw, HHC, Gr8, 5/16-18 x 1 1/4
6.	07-3273	24	Washer, Lock, Split, Medium, 5/16
7.	07-3275	24	Washer, Flat, Gr8, 5/16
8.	07-3278	2	Nut, Hex, Gr8, 3/8-16
9.	07-3279	4	Washer, Flat, Gr8, 3/8
10.	07-3617	28	Nut, Insert, M6 x 1, Hex
11.	07-3654	4	Nut, Hex, Gr8, 3/8-16
12.	07-4052	2	Screw, HHC, Gr8, 3/8-16 x 3/4
13.	07-4130	22	Lamp, 90, BR38, Spot, 120 Volt, Clear
14.	07-4183	4	Pin, Hitch, 5/8 x 4, with Clip
15.	07-4213	4	Screw, HHC, GR8 3/4-10 x 4
16.	07-6297	28	Screw, HHC, CL10.9, M6 x 1, 25mm
17.	07-7064	160 ft	Tape, Reflective
18.	07-7526	8	Plug, Plastic, 1 1/2 x 2 1/2, Rectangular
19.	07-7527	4	Plug, Plastic, 2, Square
20.	07-7541	2	Washer, Flat,Gr2, #6
21.	07-7542	2	Washer, Lock, Gr8, #6
22.	07-7543	2	Nut, Hex, Gr2, #6-32
23.	07-7567	1	Gauge, Level, 45-0-45, Stick-On
24.	07-7813	4	Wire Harness, Display, Inner
25.	07-7814	4	Wire Harness, Display, Outer
26.	07-7892	1	Limit Switch, MEA 9111
27.	07-7926	2	Screw, Pan Head, #6-32 x 1 3/8
28.	13-16812	4	Plate, Mounting, Light, Reflector, Outside
29.	13-16813	4	Plate, Reflector, Outside
30.	13-16819	4	Weld, Pivot
31.	13-16821	4	Plate, Mounting, Light Reflector, Inside
32.	13-16822	4	Plate, Reflector, Inside
33.	13-16836	1	Weld, Frame
34.	13-16966	2	Weld, Lock, Arm, Closed
35.	28-3558	22	Assembly, Lamp, Holder
36.	50-0863	1	Label, Operating Position, Level
37.	RHW8642	24	Nut, Rivet, 5/16-18, .150-.312 Grip

MAIN FRAME BOTTOM

Serial # 1051999 & Down



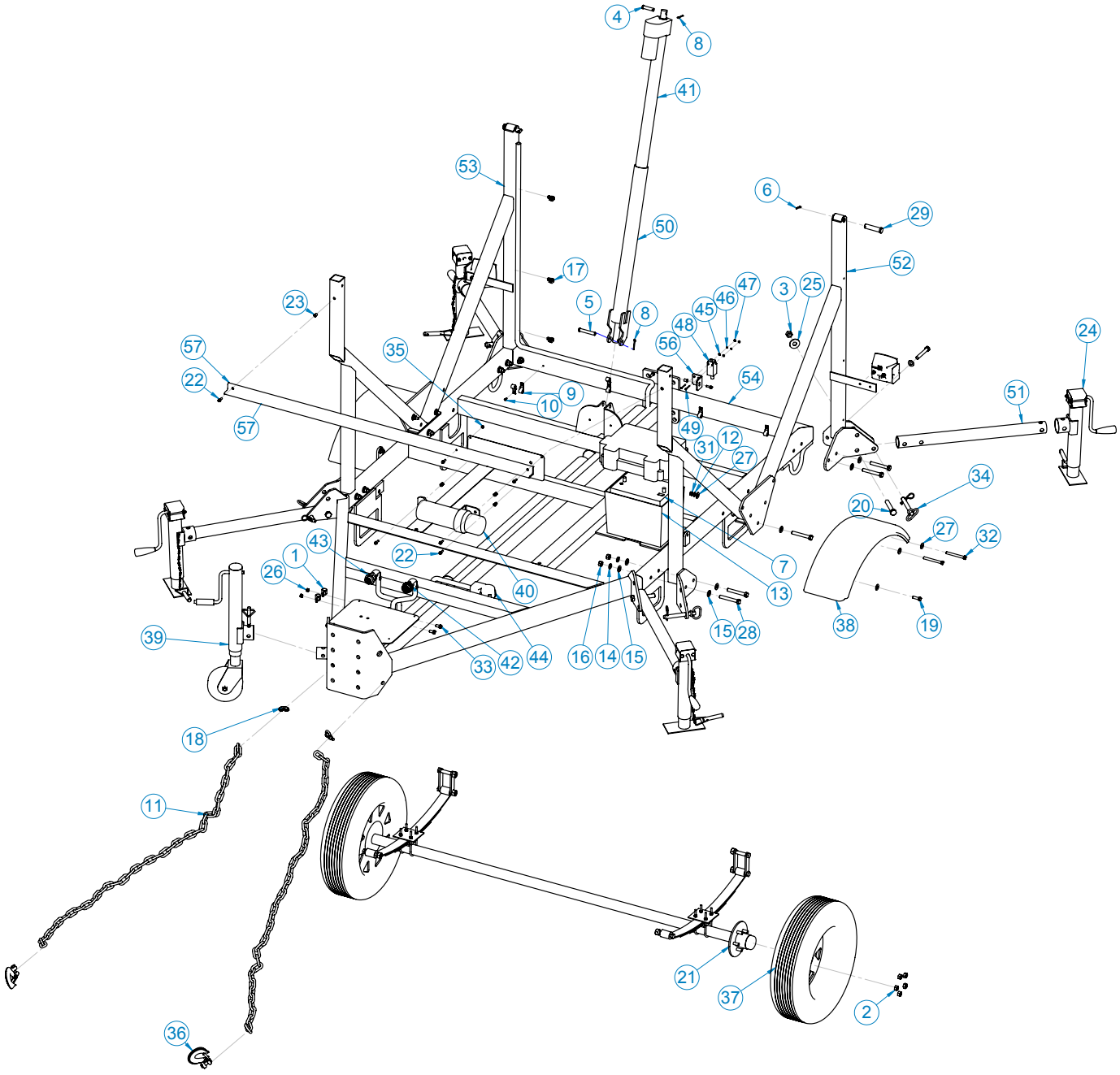
MAIN FRAME BOTTOM

Serial # 1051999 & Down

Item	Part	Qty	Description
1.	03-4329	2	Clamp, Hose, 3/4, Rubber Coated
2.	07-0144	10	Nut, Lug, Gr2, 1/2-20 x 5/8
3.	07-0181	4	Nut, Hex, Lock, 5/8-11, Gr8
4.	07-0196	1	Pin, Clevis, 1/2 x 2
5.	07-0197	1	Pin, Clevis, 1/2 x 3
6.	07-0786	2	Pin, Cotter, Gr2, 3/16 x 1 1/2
7.	07-1044	2	Pin, Cotter, Gr2, 5/32 x 1 1/2
8.	07-1185	4	Nut, Hex, Gr2, 10-32
9.	07-1309	2	Screw, HHC, Gr8, 1/2-13 x 1 1/4
10.	07-1604	2	Chain, 3/8, 41 Links, High Test, Gr43
11.	07-1762	18	Washer, Lock, Split, Medium, 1/2
12.	07-1763	36	Washer, Flat, Gr8, 1/2 SAE
13.	07-1764	18	Nut, Hex, Gr8, 1/2-13
14.	07-1838	4	Loom, Clip, Rosebud, Flex
15.	07-2032	4	Clevis, Double Link, 9/32, Gr80
16.	07-2647	4	Screw, HHC, Gr8, 5/8-11 x 3 3/4
17.	07-2826	1	Axle, Leaf
18.	07-2952	2	Screw, HFH, CL10.9, M6-1 x 20
19.	07-2956	2	Nut, Insert, M6 x 1, Grip .027-.165
20.	07-3100	4	Jack, 2000#, Swivel
21.	07-3120	4	Washer, Flat, Gr8, 5/8
22.	07-3278	2	Nut, Hex, Gr8, 3/8-16
23.	07-3441	16	Screw, HHC, Gr8, 1/2-13 x 3 1/2
24.	07-3473	2	Pin, Clevis, Gr2, 3/4 x 3
25.	07-4052	2	Screw, HHC, Gr8, 3/8-16 x 3/4
26.	07-4183	4	Pin, Hitch, 5/8 x 4, with Clip
27.	07-4815	2	Hook, Slip, with 3/8 Clevis & Latch
28.	07-5270	2	Assembly, Tire/Wheel, 4 x 4.5
29.	07-5374	2	Fender, Plastic, 25 Inches
30.	07-5867	1	Jack, 100#, Swivel
31.	07-7287	1	Actuator, 24 Stroke, 1000 lb
32.	07-7455	4	Mount, Anti-Shock
33.	07-7471	1	Wire, Harness, Input Control
34.	07-7472	1	Wire, Harness, Output Control, Actuator Display
35.	07-7519	1	Connector, 90º, Male Plug, 3 Blades/Prongs, Turn Lock
36.	13-16406	1	Weld, Support, Actuator
37.	13-16757	4	Tube, Mounting, Jack
38.	13-16775	1	Weld, Trailer, Frame, Upper, Left
39.	13-16776	1	Weld, Trailer, Frame, Upper, Right
40.	13-16777	1	Weld, Trailer, Frame
41.	13-8784	1	Angle, 1 1/2 x 1 1/2 x 60, with Holes
42.	28-3557	1	Assembly, Encloser, 14 x 12 x 6.5

MAIN FRAME BOTTOM

Serial # 1052001 & Up



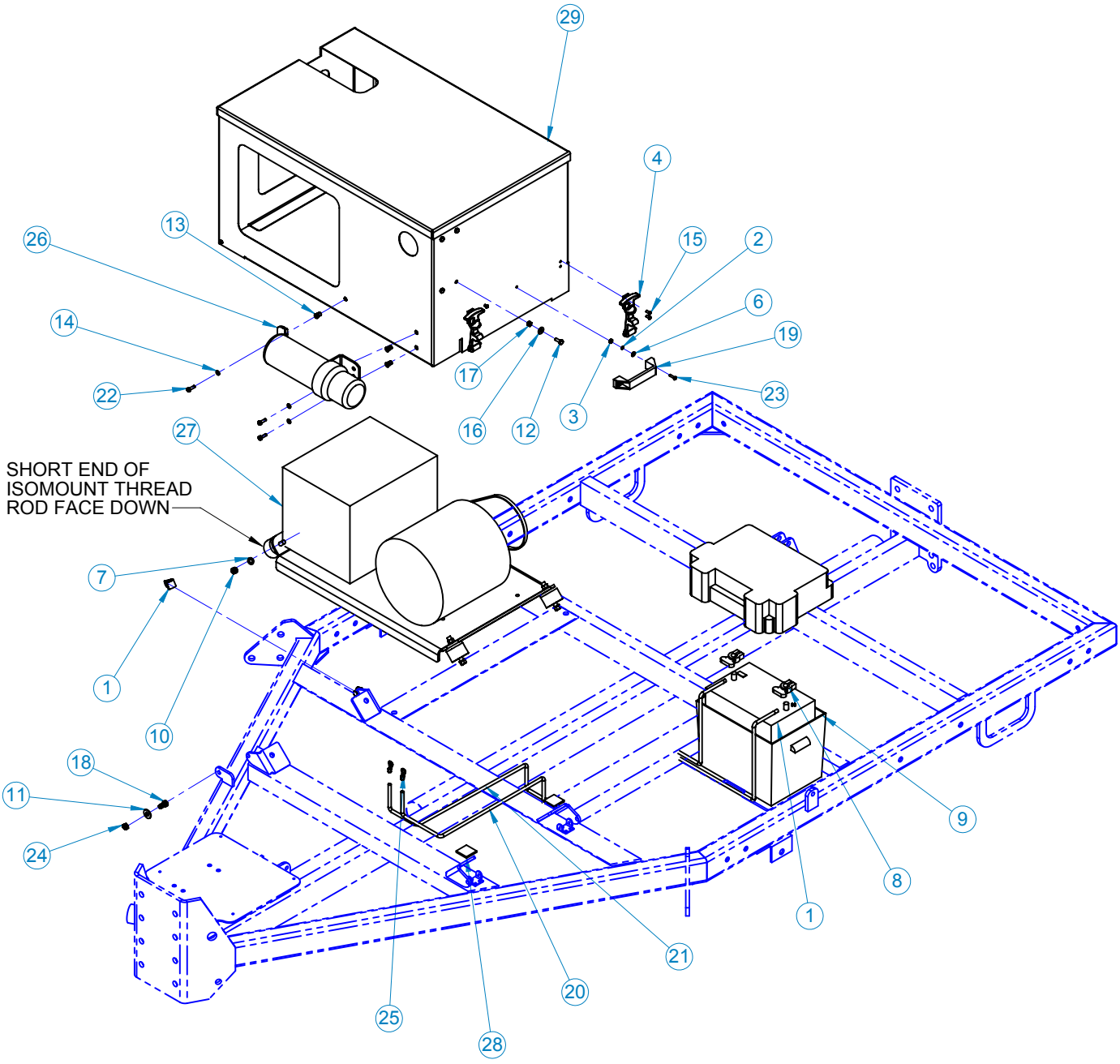
Item	Part	Qty	Description
1.	03-4329	2	Clamp, Hose, 3/4, Rubber Coated
2.	07-0144	10	Nut, Lug, Gr2, 1/2-20 x 5/8
3.	07-0181	4	Nut, Hex, Lock, 5/8-11, Gr8
4.	07-0196	1	Pin, Clevis, 1/2 x 2
5.	07-0197	1	Pin, Clevis, 1/2 x 3
6.	07-0786	2	Pin, Cotter, Gr2, 3/16 x 1 1/2
7.	07-0871	1	Battery, 24-3, 425 CCA
8.	07-1044	2	Pin, Cotter, Gr2, 5/32 x 1 1/2
9.	07-1177	6	Clamp, Rubber Coat, 1/2 x 3/4

MAIN FRAME BOTTOM

Serial # 1052001 & Up

Item	Part	Qty	Description
10.	07-1597	4	Rivet, Pop, Steel, 3/16 x 1/2
11.	07-1604	2	Chain, 3/8, 41 Links, High Test, Gr43
12.	07-1718	6	Washer, Lock, Split, Medium, 3/8
13.	07-1757	1	Box, Battery, Plastic, 13.38 x 10.18 x 10.5
14.	07-1762	12	Washer, Lock, Split, Medium, 1/2
15.	07-1763	24	Washer, Flat, Gr8, 1/2 SAE
16.	07-1764	12	Nut, Hex, Gr8, 1/2-13
17.	07-1838	3	Loom, Clip, Rosebud, Flex
18.	07-2032	2	Clevis, Double Link, 9/32, Gr80
19.	07-2116	2	Screw, HHC, Gr8, 3/8-16 x 1 1/4
20.	07-2647	4	Screw, HHC, Gr8, 5/8-11 x 3 3/4
21.	07-2826	1	Axle, Leaf
22.	07-2952	7	Screw, HFH, CL10.9, M6-1 x 20
23.	07-2956	3	Nut, Insert, M6 x 1, Grip .027-.165
24.	07-3100	4	Jack, 2000#, Swivel
25.	07-3120	4	Washer, Flat, Gr8, 5/8
26.	07-3278	2	Nut, Hex, Gr8, 3/8-16
27.	07-3279	12	Washer, Flat, Gr8, 3/8
28.	07-3441	12	Screw, HHC, Gr8, 1/2-13 x 3 1/2
29.	07-3473	2	Pin, Clevis, Gr2, 3/4 x 3
30.	07-3617	3	Nut, Insert, Hex, M6 x 1
31.	07-3654	6	Nut, Hex, Gr8, 3/8-16
32.	07-3661	4	Screw, HHC, Gr8, 3/8-16 x 3 1/2
33.	07-4052	2	Screw, HHC, Gr8, 3/8-16 x 3/4
34.	07-4183	4	Pin, Hitch, 5/8 x 4, with Clip
35.	07-4530	1	Nut, Hex, Nylock, CL8.8, M6 x 1
36.	07-4815	2	Hook, Slip, with 3/8 Clevis & Latch
37.	07-5270	2	Assembly, Tire/Wheel, 4 x 4.5
38.	07-5374	2	Fender, Plastic, 25 Inches
39.	07-5867	1	Jack, 100#, Swivel
40.	07-6869	1	Manual Holder
41.	07-7287	1	Actuator, 24 Stroke, 1000 lb
42.	07-7471	1	Wire, Harness, Input Control
43.	07-7472	1	Wire, Harness, Output Control, Actuator Display
44.	07-7519	1	Connector, 90º, Male Plug, 3 Blades/Prongs, Turn Lock
45.	07-7541	2	Washer, Flat, Gr2, #6
46.	07-7542	2	Washer, Lock, Gr8, #6
47.	07-7543	2	Nut, Hex, Gr2, #6-32
48.	07-7892	1	Switch, Limit, MEA 9111
49.	07-7936	2	Screw, Flat Head, 6-32 x 1 3/8
50.	13-16406	1	Weld, Support, Actuator
51.	13-16757	4	Tube, Mounting, Jack
52.	13-16775	1	Weld, Trailer, Frame, Upper, Left
53.	13-16776	1	Weld, Trailer, Frame, Upper, Right
54.	13-16777	1	Weld, Trailer, Frame
55.	13-17150	1	Plate, Mounting, Manual Tube
56.	13-17589	1	Plate, Mounting, Limit Switch
57.	13-8784	1	Angle, 1 1/2 x 1 1/2 x 60, with Holes

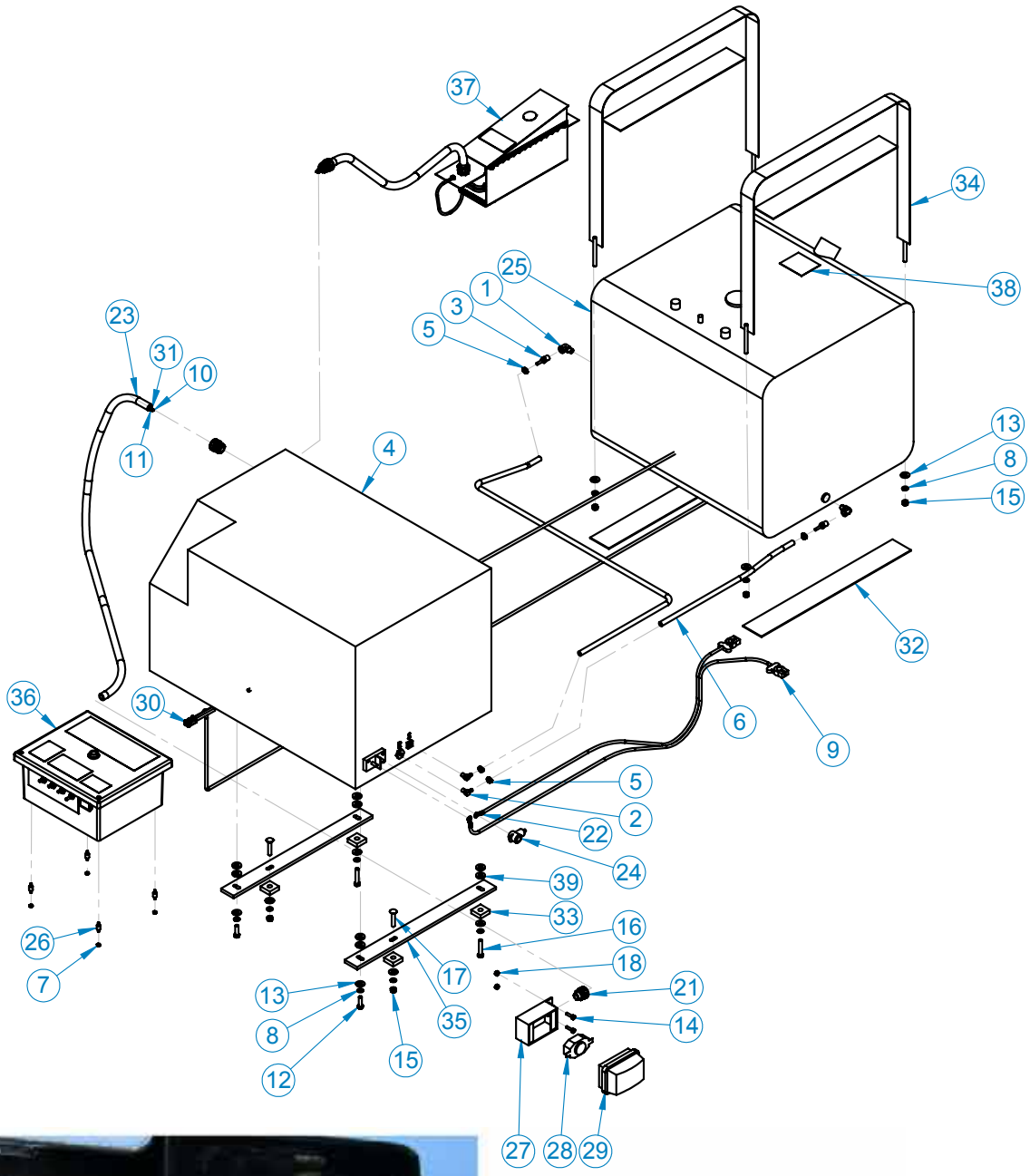
KUBOTA GENERATOR ASSEMBLY

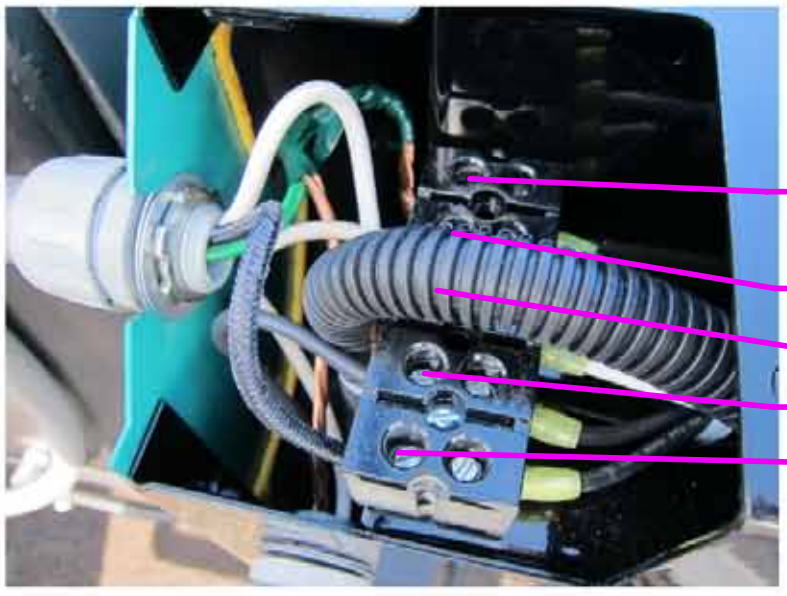


KUBOTA GENERATOR ASSEMBLY

Item	Part	Qty	Description
1.	03-4329	1	Clamp, Hose, 3/4, Rubber Coated
2.	07-0140	2	Washer, Lock, Gr2, #10
3.	07-0141	2	Nut, Hex, Gr2, 10-24
4.	07-0372	2	Latch, Rubber, 2.5 inches
5.	07-0871	1	Battery, 24-3, 425CCA
6.	07-1430	2	Washer, Flat, #10
7.	07-1718	8	Washer, Lock, Split, Medium, 3/8
8.	07-1731	2	Terminal, Battery, Universal to P Mounting
9.	07-1757	1	Box, Battery, Plastic, Black
10.	07-3278	8	Nut, Hex, Gr8, 3/8-16
11.	07-3279	2	Washer, Flat, Gr8, 3/8
12.	07-3432	4	Screw, HHC, Gr8, 1/4-20 x 3/4
13.	07-3617	3	Nut, Insert, Hex, M6 x 1
14.	07-3728	3	Washer, Flat, CL8.8, M6
15.	07-3920	4	Rivet, Pop, SS, 3/16 x .251-.375 Grip
16.	07-4032	4	Washer, Flat, Gr8, 1/4
17.	07-4033	4	Nut, Hex, Nylock, 1/4-20, Gr8
18.	07-4052	2	Screw, HHC, Gr8, 3/8-16 x 3/4
19.	07-4202	1	Handle, Plastic, for Electric Control Box
20.	07-4207	1	Cable, Battery, #6 Red, 5.75 Ft
21.	07-4208	1	Cable, Battery, #6 Black, 5.75 Ft
22.	07-4605	3	Screw, HHC, CL10.9, M6-1 x 20mm
23.	07-4831	2	Screw, BHC, 10-24UNC, 2B x 3/4
24.	07-5370	2	Nut, Hex, Lock, Gr8, 3/8-16
25.	07-5387	2	Terminal, Ring, 3/8, 6ga
26.	07-6869	1	Manual, Holder
27.	07-7477	1	Kit, Generator, Engine
28.	09-0174	2	Rubber, Belt, 2 Ply, 3/16 x 10 inch
29.	13-16785	1	Weld, Engine, Cover

CUMMINGS 5K GENERATOR ASSEMBLY





31 FROM 28 & GREEN FROM 37 — GROUND

WHITE FROM 37 — COM

11 FROM 28 — COM

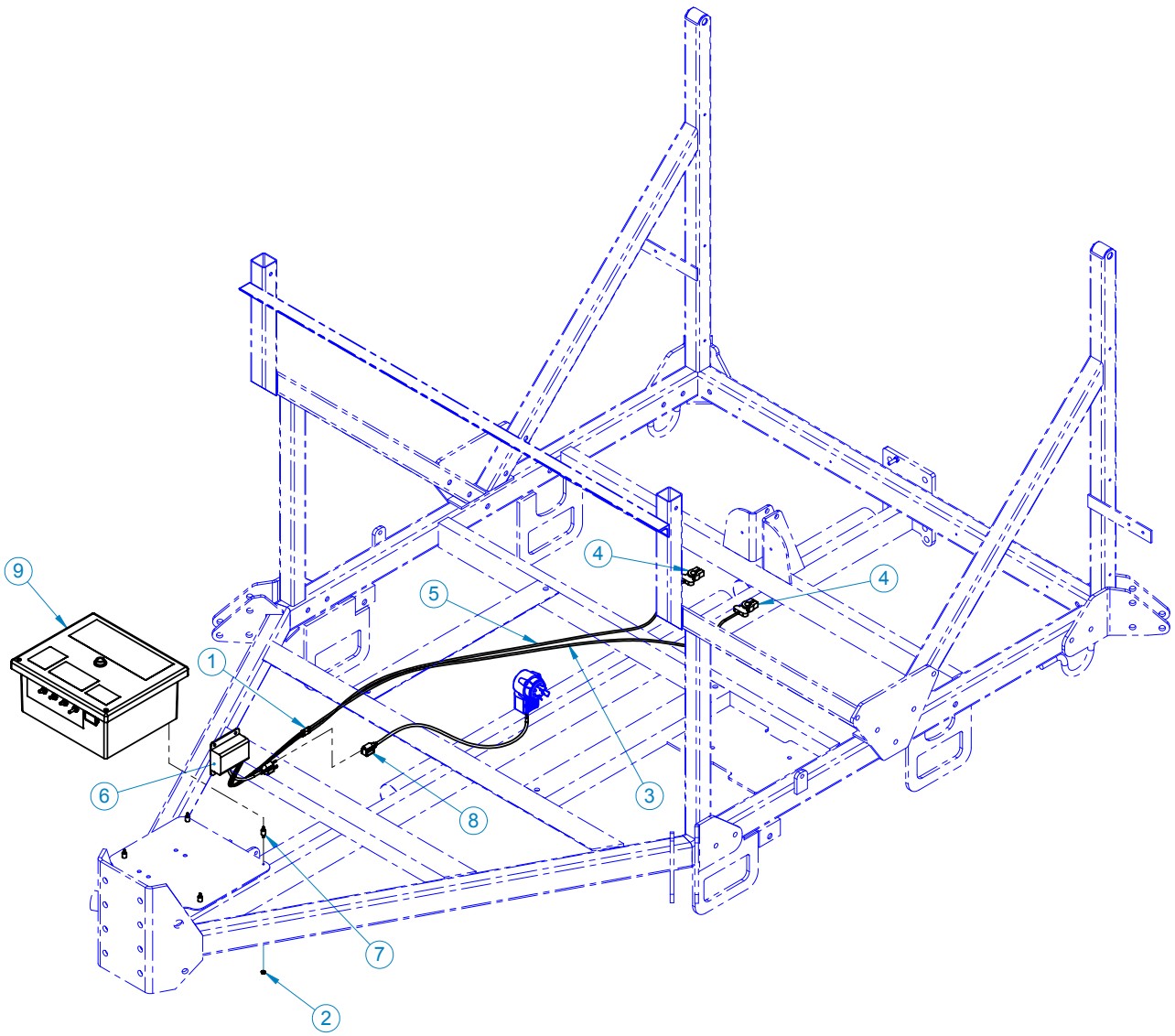
BLACK FROM 37 — HOT

31 FROM 28 — HOT

CUMMINGS 5K GENERATOR ASSEMBLY

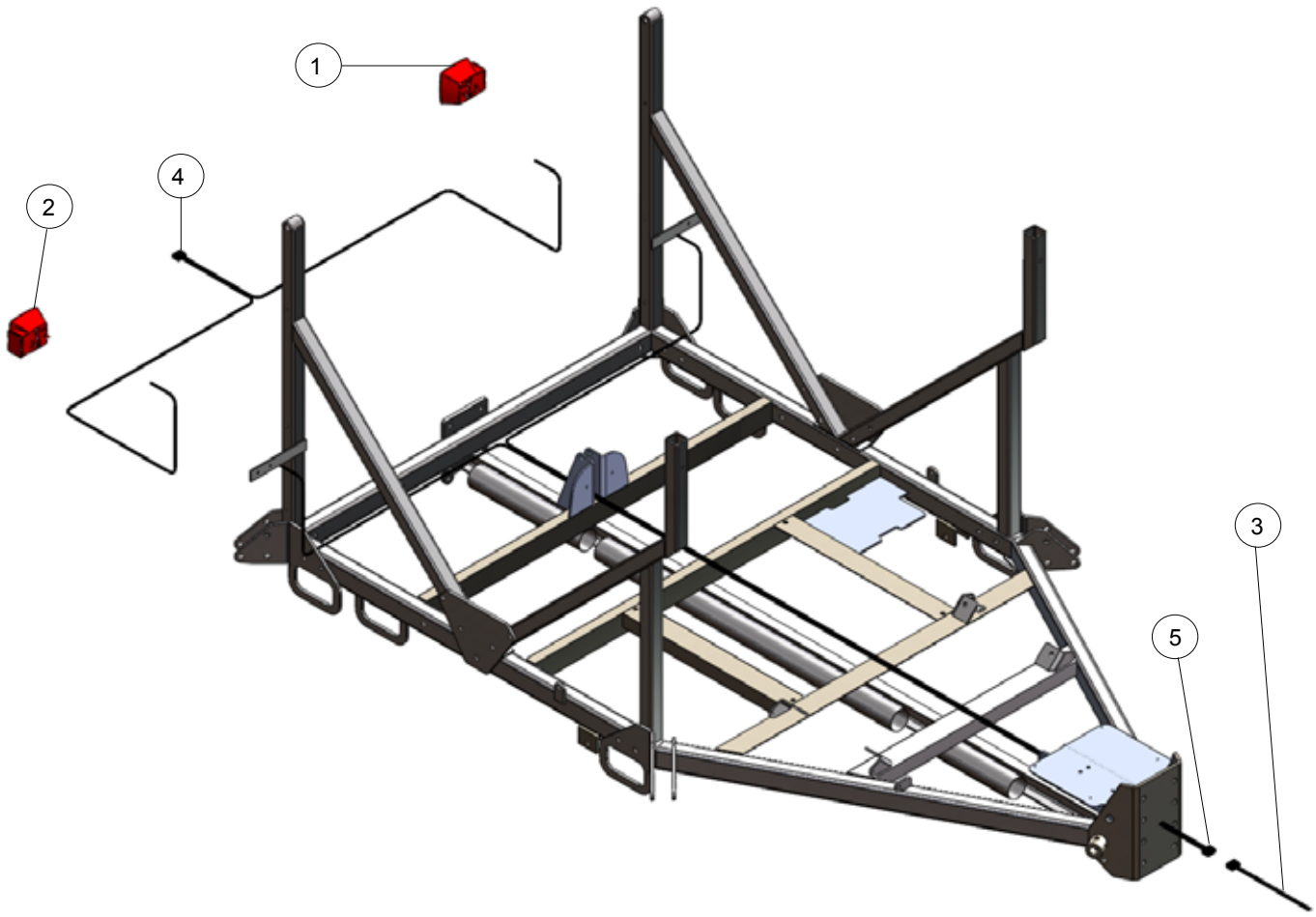
Item	Part	Qty	Description
1.	03-0018	2	Elbow, 90º, 4FP-8MP
2.	03-0454	2	Barb, 4, 2MP90
3.	03-3231	2	Barb, 4, 4MP, Brass
4.	03-9622	1	Genset, 5.0, Diesel
5.	07-0538	4	Clamp, Screw, MM-4 1/4-5/8
6.	07-1095	6.5ft	Hose, Fuel, 1/4
7.	07-1185	4	Nut, Hex, Gr2, 10-32
8.	07-1718	10	Washer, Lock, Split, Medium, 3/8
9.	07-1731	2	Terminal, Battery, Universal to P Mounting
10.	07-1900	5ft	Wire, Bulk, Black, 10ga
11.	07-1901	5ft	Wire, Bulk, White, 10ga
12.	07-2116	2	Screw, HHC, Gr8, 3/8-16 x 1 1/4
13.	07-3279	10	Washer, Flat, Gr8, 3/8
14.	07-3637	2	Screw, HHC, Gr8, 1/4-20 x 1
15.	07-3654	6	Nut, Hex, Gr8, 3/8-16
16.	07-3657	2	Screw, HHC, Gr8, 3/8-16 x 2
17.	07-3702	2	Bolt, Carriage, Gr5, 3/8-16 x 2
18.	07-4033	2	Nut, Hex, Nylock, 1/4-20, Gr8
19.	07-4207	5ft	Cable, Battery, #6 Red
20.	07-4208	5ft	Cable, Battery, #6 Black
21.	07-4324	2	Fitting, 1/2, Liquid Tite, Plastic
22.	07-5387	2	Terminal, Ring, 3/8, 6ga
23.	07-5402	5ft	Conduit, 1/2, Plastic, Flex
24.	07-5715	1	Boot, Battery, Eye, #2/#8 ga, Red
25.	07-7248	1	Tank, Fuel, 60 Gallon
26.	07-7709	4	Mount, Anti-Shock, with 10-32 Stud
27.	07-7894	1	Box, Outlet, Dead End
28.	07-7895	1	Receptacle
29.	07-7896	1	Cover, Plate
30.	07-7935	1	Wire, Harness
31.	07-7963	5ft	Wire, Bulk, Green, 10ga
32.	09-0143	2	Neoprene, 50 Duro, 3 x .0625
33.	12-3654	4	Plate, 1/2 x 1 1/2 x 1 1/2
34.	13-16322	2	Weld, Strap, Tank
35.	13-17617	2	Plate, Mounting, Gen Set
36.	28-3577	1	Assembly, Enclosure, 14 x 12 x 6.5
37.	28-3578	1	Assembly, Load Heater
38.	50-0771	1	Label, Diesel Fuel Only
39.	P851606	8	Washer, Heavy, 3/8

POWER ASSEMBLY WITHOUT GENERATOR



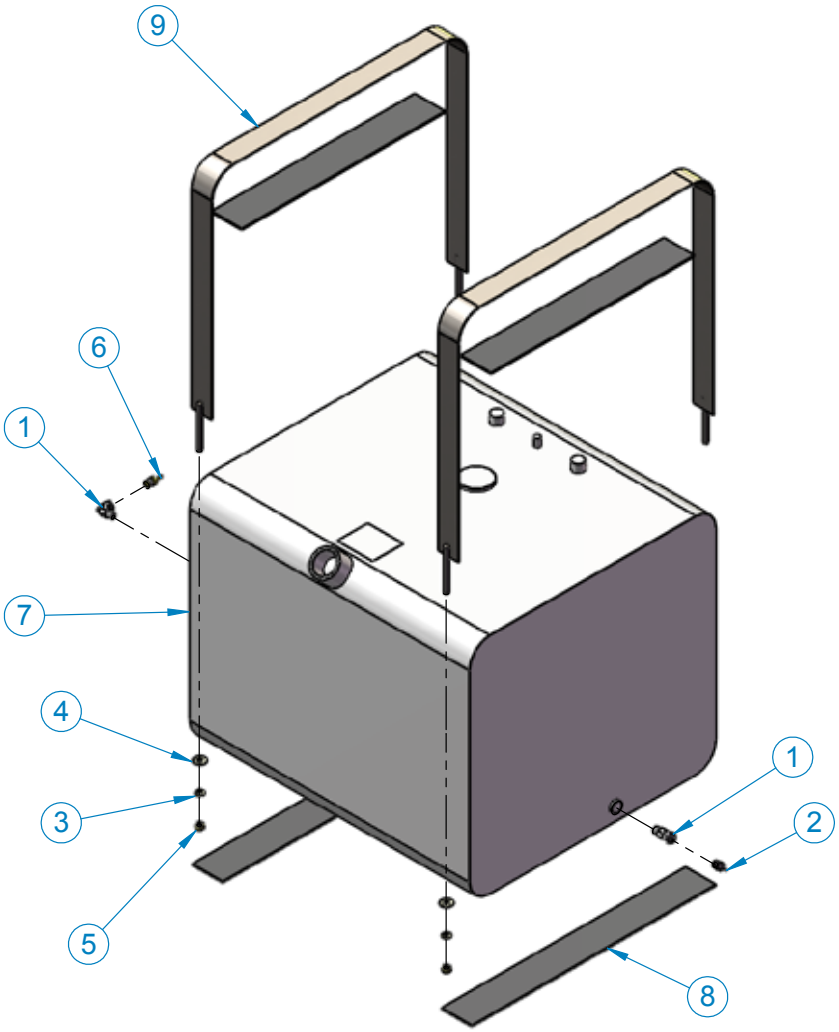
Item	Part	Qty	Description
1.	07-0915	2	Terminal Butt, 12-10, Vinyl
2.	07-1185	4	Nut, Hex, Gr2, 10-32
3.	07-1499	4ft	Wire, Red, 10ga
4.	07-1731	2	Terminal, Battery, Universal to P Mounting
5.	07-1900	4ft	Wire, Black, 10ga
6.	07-3527	1	Charger, Battery, 1.5 amp
7.	07-7709	4	Mount, Anti-Shock, with 10-32 Stud
8.	13-60243	1	Cord, Charger
9.	28-3577	1	Assembly, Enclosure, 14 x 12 x 6.5

TAIL LIGHT



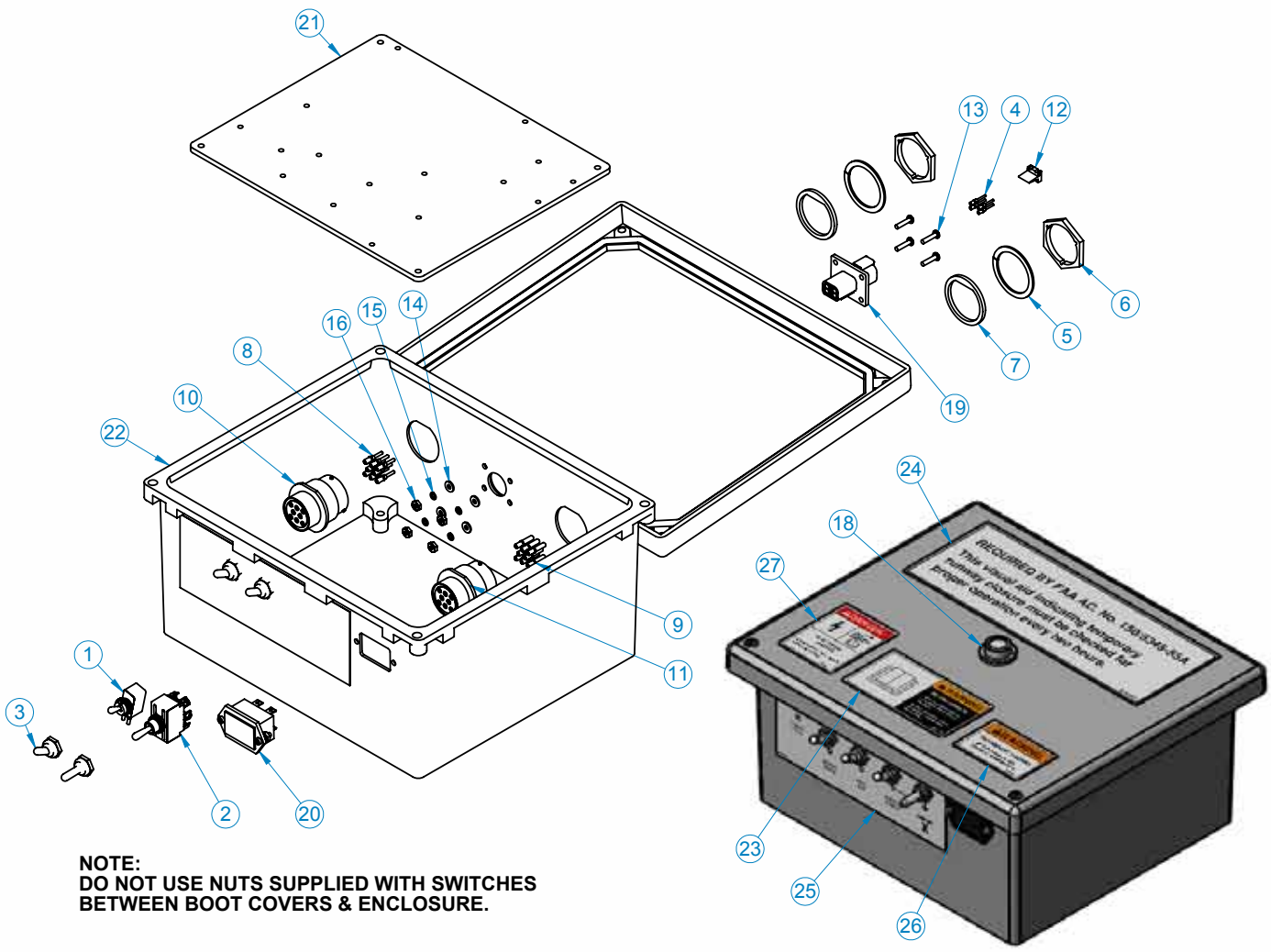
Item	Part	Qty	Description
1.	07-0358A	1	Light, Tail, Left
2.	07-0358B	1	Light, Tail, Right
3.	07-0824	1	Wire, Harness, 4 Wire, Truck
4.	07-7292	1	Wire, Harness, 4 Wire, Female
5.	07-0825	1	Wire, Harness, 4 Wire, Wishbone, 25 Ft

FUEL TANK 60 GALLON



Item	Part	Qty	Description
1.	03-0018	2	Elbow, 90º, 4FP-8MP
2.	03-1701	1	Barb, 5, 4MP, Brass
3.	07-1718	4	Washer, Lock, Split, Medium, 3/8
4.	07-3279	4	Washer, Flat, Gr8, 3/8
5.	07-3654	4	Nut, Hex, Gr8, 3/8-16
6.	07-5043	1	Fitting, Barb, Brass, 3/16, 1/
7.	07-7248	1	Tank, Fuel, 60 Gallon
8.	09-0143	7ft	Neoprene, 3 x .0625
9.	13-16322	2	Weld, Strap, Tank

CONTROL BOX



NOTE:
DO NOT USE NUTS SUPPLIED WITH SWITCHES BETWEEN BOOT COVERS & ENCLOSURE.

Item	Part	Qty	Description
1.	07-0343	3	Switch, Toggle, 2 Position
2.	07-1805	1	Switch, Toggle, DPDT
3.	07-1824	4	Boot, Switch, Cover
4.	07-6831	4	Pin, Size 16, Gold
5.	07-7141	2	Washer, HD30, 18 Shell
6.	07-7142	2	Nut, HD30, 18 Shell
7.	07-7143	2	Gasket, HD30, 18 Shell
8.	07-7456	8	Terminal, Pin, 12-14
9.	07-7457	8	Terminal, Socket, 12-14
10.	07-7459	1	Connector, Plug, 34-18, 8 Pin
11.	07-7460	1	Connector, Plug, 34-18, 8 SN
12.	07-7537	1	Wedge, 4 Pin
13.	07-7540	4	Screw, Gr2, #6-32 x .625
14.	07-7541	4	Washer, Flat, Gr2, #6
15.	07-7542	4	Washer, Lock, Gr8, #6

Item	Part	Qty	Description
16.	07-7543	4	Nut, Hex, Gr2, #6-32
17.	07-7563	1	Gasket for 07-7562
18.	07-7566	1	Gauge, Level, Eye, 1 1/4
19.	07-7792	1	Connector, 4 Pin, Flange
20.	07-7865	1	Hour Meter, 120 Vac
21.	13-16848	1	Plate, Aluminum, Heatsink
22.	13-17559	1	Enclosure, 14 x 12 x 6.5
23.	50-0723	1	Label, Warning, Misuse Hazard
24.	50-0782	1	Label, LX, FFA, AC #
25.	50-0826	1	Label, Enclosure Control
26.	50-0827	1	Label, Warning, Transport Hazard
27.	50-0847	1	Label, Danger, Electrical Hazard

BOLT TORQUE SPECIFICATIONS

GENERAL TORQUE SPECIFICATION TABLES

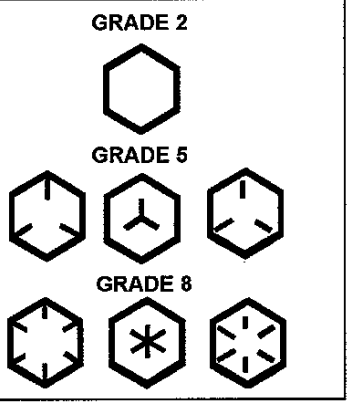
Use the following charts when determining bolt torque specifications when special torques are not given. Always use grade 5 or better when replacing bolts.

SAE BOLT TORQUE SPECIFICATIONS

NOTE: The following torque values are for use with extreme pressure lubricants, plating or hard washer applications Increase torque 15% when using hardware that is unplated and either dry or lubricated with engine oil.

Bolt Size		SAE GRADE 5 TORQUE				SAE GRADE 8 TORQUE			
		Pounds Feet		Newton-Meters		Pounds Feet		Newton-Meters	
Inches	Millimeters	UNC	UNF	UNC	UNF	UNC	UNF	UNC	UNF
1/4	6.35	8	9	11	12	10	13	14	18
5/16	7.94	14	17	19	23	20	25	27	34
3/8	9.53	30	36	41	49	38	46	52	62
7/16	11.11	46	54	62	73	60	71	81	96
1/2	12.70	68	82	92	111	94	112	127	152
9/16	14.29	94	112	127	152	136	163	184	221
5/8	15.88	128	153	174	207	187	224	254	304
3/4	19.05	230	275	312	373	323	395	438	536
7/8	22.23	340	408	461	553	510	612	691	830
1	25.40	493	592	668	803	765	918	1037	1245
1-1/8	25.58	680	748	922	1014	1088	1224	1475	1660
1-1/4	31.75	952	1054	1291	1429	1547	1700	2097	2305
1-3/8	34.93	1241	1428	1683	1936	2023	2312	2743	3135
1-1/2	38.10	1649	1870	2236	2535	2686	3026	3642	4103

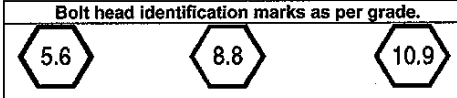
Bolt head identification marks as per grade.
NOTE: Manufacturing Marks Will Vary



METRIC BOLT TORQUE SPECIFICATIONS

NOTE: The following torque values are for use with metric hardware that is unplated and either dry or lubricated with engine oil. Reduce torque 15% when using hardware that has extreme pressure lubricants, plating or hard washer applications.

Bolt head identification marks as per grade.



Size of Bolt	Grade No.	Pitch (mm)	Pounds Feet	Newton-Meters	Pitch (mm)	Pounds Feet	Newton-Meters
M6	5.6	1.0	3.6-5.8	4.9-7.9	-	-	-
	8.8		5.8-.4	7.9-12.7		-	-
	10.9		7.2-10	9.8-13.6		-	-
M8	5.6	1.25	7.2-14	9.8-19	1.0	12-17	16.3-23
	8.8		17-22	23-29.8		19-27	25.7-36.6
	10.9		20-26	27.1-35.2		22-31	29.8-42
M10	5.6	1.5	20-25	27.1-33.9	1.25	20-29	27.1-39.3
	8.8		34-40	46.1-54.2		35-47	47.4-63.7
	10.9		38-46	51.5-62.3		40-52	54.2-70.5
M12	5.6	1.75	28-34	37.9-46.1	1.25	31-41	42-55.6
	8.8		51-59	69.1-79.9		56-68	75.9-92.1
	10.9		57-66	77.2-89.4		62-75	84-101.6
M14	5.6	2.0	49-56	66.4-75.9	1.5	52-64	70.5-86.7
	8.8		81-93	109.8-126		90-106	122-143.6
	10.9		96-109	130.1-147.7		107-124	145-168
M16	5.6	2.0	67-77	90.8-104.3	1.5	69-83	93.5-112.5
	8.8		116-130	157.2-176.2		120-138	162.6-187
	10.9		129-145	174.8-196.5		140-158	189.7-214.1
M18	5.6	2.0	88-100	119.2-136	1.5	100-117	136-158.5
	8.8		150-168	203.3-227.6		177-199	239.8-269.6
	10.9		175-194	237.1-262.9		202-231	273.7-313
M20	5.6	2.5	108-130	146.3-176.2	1.5	132-150	178.9-203.3
	8.8		186-205	252-277.8		206-242	279.1-327.9
	10.9		213-249	288.6-337.4		246-289	333.3-391.6

NOTE - Nylock nuts are utilized when greater resistance to vibrating loose is required, and greater operating temperatures are not a factor. In addition, like lock nuts, nylock nuts have a safety feature that if the bolt does vibrate loose, the nut will remain on the screw. Install nylock nuts to the standard torque shown above.

WARRANTY

Limited Warranty

Except for the Excluded Products as described below, all new products are warranted to be free from defects in material and/or workmanship during the Warranty Period, in accordance with and subject to the terms and conditions of this Limited Warranty.

1. Excluded Products. The following products are excluded from this Limited Warranty:

(a) Any cable, part that engages with the ground (i.e. sprockets), digging chain, bearing, teeth, tamping and/or demolition head, blade cutting edge, pilot bit, auger teeth and broom brush that either constitutes or is part of a product.

(b) Any product, merchandise or component that, in the opinion of Paladin Light Construction[1], has been (i) misused; (ii) modified in any unauthorized manner; (iii) altered; (iv) damaged; (v) involved in an accident; or (vi) repaired using parts not obtained through Paladin Light Construction.

2. Warranty Period. The Limited Warranty is provided only to those defects that occur during the Warranty Period, which is the period that begins on the first to occur of: (i) the date of initial purchase by an end-user, (ii) the date the product is first leased or rented, or (iii) the date that is six (6) months after the date of shipment by Paladin Light Construction as evidenced by the invoiced shipment date (the "Commencement Date") and ends on the date that is twelve (12) months after the Commencement Date.

3. Terms and Conditions of Limited Warranty. The following terms and conditions apply to the Limited Warranty hereby provided:

(a) Option to Repair or Replace. Paladin Light Construction shall have the option to repair or replace the product.

(b) Timely Repair and Notice. In order to obtain the Limited Warranty, (i) the product must be repaired within thirty (30) days from the date of failure, and (ii) a claim under the warranty must be submitted to Paladin Light Construction in writing within thirty (30) days from the date of repair.

(c) Return of Defective Part or Product. If requested by Paladin Light Construction, the alleged defective part or product shall be shipped to Paladin Light Construction at its manufacturing facility or other location specified by Paladin Light Construction, with freight PRE-PAID by the claimant, to allow Paladin Light Construction to inspect the part or product.

Claims that fail to comply with any of the above terms and conditions shall be denied.

LIMITATIONS AND EXCLUSIONS.

THIS LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND ANY WARRANTY BASED ON A COURSE OF DEALING OR USAGE OF TRADE.

IN NO EVENT SHALL PALADIN LIGHT CONSTRUCTION BE LIABLE FOR CONSEQUENTIAL OR SPECIAL DAMAGES.

IN NO EVENT SHALL PALADIN LIGHT CONSTRUCTION BE LIABLE FOR ANY LOSS OR CLAIM IN AN AMOUNT IN EXCESS OF THE PURCHASE PRICE, OR, AT THE OPTION OF PALADIN LIGHT CONSTRUCTION, THE REPAIR OR REPLACEMENT, OF THE PARTICULAR PRODUCT ON WHICH ANY CLAIM OF LOSS OR DAMAGE IS BASED. THIS LIMITATION OF LIABILITY APPLIES IRRESPECTIVE OF WHETHER THE CLAIM IS BASED ON BREACH OF CONTRACT, BREACH OF WARRANTY, NEGLIGENCE OR OTHER CAUSE AND WHETHER THE ALLEGED DEFECT IS DISCOVERABLE OR LATENT.

[1]Attachment Technologies Inc., a subsidiary of Paladin Brands Holding, Inc. (PBHI) is referred to herein as Paladin Light Construction.

February 10, 2010